IC 734	State Fo	rm 37776									
Rev. 2 - 12	State 10	1111 37770			Contract No.			IR - 34937			
100.2 12					Project No.		L 2302				
Copies to:					Report No.			2 of 4			
Div. of Cons	truction				Designation I	No.		0900254			
District Engir					Bridge File No			265-10-9604			
Project Engir					Site Manager		R	125473500220)		
File				Location				Road over S.R			
		PRESTRES	SED OR PRE			JCTURA	L MEMBERS	11044 0 701 0 71			
					ication						
Producer:		8502 - Pres	tress Servic	es Industri	es - 5501 Bri	ar Hill I	Rd., Lexington	, Kentucky 405	16		
Producer's Pa	art No :	0002 1100		4 48 IN			Туре	.	Tee Beams		
		idth: 4	8"		54"		Member No's		Tec Bearis		
			Height:			Member No s					
		8''		54"			MK502 -5				
	103' - 0''		48''		54''			MK505 -6			
				Mate	rials						
					and						
				54	and						
Manufacture	er:	American Sp	ring Wire		Cert. Mill	Гest Rep	orts Attached	In Site Mana	ger Attachmo	ents	
Size:	1/2 in.	Туре	: 270K Lov	w Relax Ow	ersize	Actual S	steel Area:	0.1646 sq. ii	n. (average)		
Reel No's:	015526-1	015526-		5526-3	015526-8		015526-4	015634-5		1-3	
1 1 1	015634-4	015634-		634-1					31200		
	01505 7-7	012034	. 013	JU-1-1						$\overline{}$	
				Reinforc	ing Steel						
Source	Nucor Jewett, T	rv	Source	APC Postor	ne & Nucor Ja	alzeon	Source	Nucor Ka	nkakaa		
		I A				CKSOII					
Size/Type	#3 Black		Size/Type		#4 Epoxy		Size/Type				
ID No.	1210765801		ID No. 121051350				ID No.	121045	1210450801		
Approval No.	J099802		Approval No).	approved		Approval No. J989820				
Source	Nucor Kankak	ee	Source A	BC Peotone	e & Nucor Ka	nkakee	Source	Ameri HigwayT	ech & Nucor	Kankakee	
Size/Type	#4 Black		Size/Type	1	#4 Epoxy		Size/Type	aded one end)			
ID No.	1210550701		ID No.		210420801		ID No.		1210385801		
Approval No.	J989820		Approval No		J039994		Approval No. J989958				
прриочано.	3909020		ripprovario				ripprovarive.	,,,,,	,50		
				Cen	nent						
Type:	III Sou	ırce:	Buzzi Uni	icem Gree	ncastle, IN		Approva	I No · V	V028369		
15 pc.	111		Buzzi ein				Прриоти	1,011	1020203		
				Coarse A	ggregate						
Source:	Vulcan	Materials. R	Richmond Ou	arry. KY		G	ravel	Stone	X		
Size No:	91's (67's)		erials, Richmond Quarry, l 100% Passing 1" Sci					& Report No.		CE	
	71 s (07 s)			1 Sciecii	1123				AII SOCK	CE	
Source:			NA 0007 Parasima	111.0		- 6	ravel	Stone			
Size No:		1	00% Passing	1" Screen		_	Field Test	& Report No.			
				Fine Ag	gregate						
6		11 101	T/3/ ~:				A 137		2002070		
Source:	Nugent Sa	nd in Milton,	KY Siz	e:	#23		Approval No	.: (Q982070		
			<u>G</u>	eneral Dat	a (Each Bed)						
				Prestr	essing						
	ids, Straight	36		aped				ins. (e) 288	00000 psi		
Specified St		IA psi	Spec	c. Load pe	r Strand (P)	33,8		Pre Load (Pi)	3,000	lbs.	
	vpe LE=	0.25 DE=			ETA= 0		Correction for	or Losses	267.58	lbs.	
Losses & T	/ 1		34,118	lbs.	(including co	rrection	for losses)				
Losses & Ty Total Load p	/ 1			4 1	-	202	.15800 ins	. Total Elon.	e _c 28.9	ins.	
Total Load p	/ 1	28	. 790 ins	3.	Elon.for Loss	303	. 1 3 0 0 0	. Total Lion.	OC		
Total Load p	per Strand Elongation (e)								<u> </u>	°F	
Total Load p Computed E Max. Elon.	per Strand Elongation (e) Obtained	29 1/4 ins	. Mi	n. Elon. O	btained 2	7 3/4	ins. Temp.	While Tension	ing 35	°F	
Total Load p Computed E Max. Elon. Assumed To	per Strand Elongation (e) Obtained emp. of Concrete	29 1/4 ins	. Mi	n. Elon. O	obtained 2	7 3/4 Length	ins. Temp. of Strand end	While Tension ased in Concr	ing 35 ete NA	°F ins.	
Total Load p Computed E Max. Elon. Assumed To	per Strand Elongation (e) Obtained	29 1/4 ins	. Mi	n. Elon. O	obtained 2	7 3/4 Length	ins. Temp.	While Tension ased in Concr	ing 35 ete NA		
Total Load p Computed E Max. Elon. Assumed To	per Strand Elongation (e) Obtained emp. of Concrete	29 1/4 ins e at time of F ne End	. Mi	n. Elon. O 55 Both Eı	obtained 2 oF order oF	27 3/4 Length o	ins. Temp. of Strand end ate Tensioned	While Tension ased in Concr	ing 35 ete NA		
Total Load p Computed E Max. Elon. Assumed To	per Strand Elongation (e) Obtained emp. of Concrete	29 1/4 ins e at time of F ne End	. Mi	n. Elon. O 55 Both Eı	obtained 2	27 3/4 Length o	ins. Temp. of Strand end ate Tensioned	While Tension ased in Concr	ing 35 ete NA		
Total Load p Computed E Max. Elon. Assumed To Draped Stra	per Strand Elongation (e) Obtained emp. of Concrete ands Pulled at Or	29 1/4 inse at time of Fore End	. Mi	n. Elon. O 55 Both Er	obtained 2 oF ords YES or Allowable	27 3/4 Length o	ins. Temp. of Strand end ate Tensioned	While Tension ased in Concr 1 12/28/	35 ete NA 2012		
Total Load p Computed E Max. Elon. Assumed To Draped Stra	per Strand Elongation (e) Obtained emp. of Concrete	29 1/4 ins e at time of F ne End Max 28.948	Couring Mickimum and	n. Elon. O 55 Both Eı	obtained 2 oF order oF	Da Elonga	ins. Temp. of Strand end ate Tensioned ations 27 4/8 ins	While Tension ased in Concr	ing 35 ete NA 2012		

Placing Reinforcing Steel (each member)																
Size	No. of Pcs.	Description		Size No. of		f Pcs.	Description		Size		No. of Pcs.		Description			
#401 (E)	147	10'-6"														
#402 (E)	187	5'-6''														
#303 (B)	34	4'-7''														
#304 (B)	34	1'-6''														
#405 (B)	6	12'-4"														
#406 (E)	40	9'-9''														
#6 (B)	4	3'-4"														
#6 (B)	8	4'-3''														
#3 (B)	4	102' - 4''														
#6 (B)	4	102' - 4''														
						C	navata									
Plant Furnishing Concrete: Prestress Services Industries - 5501 Briar Hill Rd., Lexington, Kentucky 40516																
Data from Batch		Test No.		_		r load:										
Cement:	3670	lbs 734		lbs. cu. yd.		1	Date Poured:		12/28/20		P	our No.:		2 of 4		
Coarse Agg.:	9260	lbs 1852					Beam ID(s): MI				K502 -5		K505 -6			
Light Wt. Agg.	: 0	lbs	0	lbs. cu	u. yd.			X		X						
Fine Agg.:	5140	lbs	1028	lbs. cu	u. yd.		Slump:	7 3/4"	8"	7 3/4"	7 3/4"	7 3/4"	7 3/4"	7 3/4"	•	
Water:	92	gallons	18	gals. c	cu. yo	1.	7 3/4"									
Unit Weight:	19982	lbs	148	lbs. cu	u. Ft.		Air %:	6.8%	5.8%	5.4%	5.4%	5.1%	5.2%	5.2%		
Relative Yield	1.030						5.0%	5.2%					-	4		
Admixtures									64° 64°	70° 73°	67° 67°	72° 72°	·			
Type	Air Entrain		35	oz	0.9	054	oz/100Lb			Ce	ertificate A			ite Mana	ger	
Trademark		RSA	\-10				1	Manufac	turer	-		Russtec	h			
Type MultiRange WRA 440 oz 11.989 oz/100Lbs Cemetitious Certificate Attached In Site Manager																
Trademark		Superflow	2000 R	RM			. I	Manufac	turer			Russtec	h			
Туре	Set Retarding	WRA	37	oz	1.0	008	oz/100Lb	s Cemet	itious	C	Certificate	Attached	l In S	ite Mana	ger	
Trademark		LCR-	400R				ı	Manufac	turer		1	Russtec	h	1		
						<u>T</u> est	Cylinder	<u>'s</u>								
Cyl. No.	Dat	te Made		Dat	te Bro				ge (days)	S	trength, p	si. (Top	Middle	Bottom)		
MK506 -4		28/2012			29/2				1	Т	7,109		,790 B	6,667		
MK506 -4		/28/2012		1/18/2013					21	Т	8,806		,753 B	8,771		
MK502 -5		28/2012			12/29/2012				1	T	7,179		,790 B	7,109		
MK502 -5		28/2012	1/18/2013						21	Т	8,771		,665 B	8,789		
MK505 -6		28/2012		12/29/2012					1	Т	7,321		,303 B	7,179		
MK505 -6		28/2012		1/18/2013					21	Т	8,789		,630 B	8,753		
Place Tested:	PSIOC	in Lexington,	KY		Т	otal No	o. Of Mer	nbers in	Structure:	12	Ext	terior	4 Ir	iterior	8	
Accepted Mem		506 -4	MK502	2 -5		1K505	_				22/0					
Yellow Card No		350224	47350			473502										
Rejected Memb																
5	arings Certificati	ons Attached			Iı	n Site N	/lanager									
Remarks:																
AND THE CONTRACT OF THE CONTRA																
Inspector: Arriva M. Mordinson Date:									Date:	1/29	/2013	3				
.,				1												
Note: For Precast Pre	stressed Membe	ers submit rer	ort for	each be	d Fo	or Prece	st Memb	ers sub-	nit report	for each	nour					
1 OI 1 ICCAST FIE	ancaacu 1415111Dt	, saviilli ie	O11 101 C	Jacii 000	u. 1'U	,, i i cca	St IVICIIID	cis, subl	int ichtil	ioi cacil	pour.					